

TOWN OF MAYNARD FIRE DEPARTMENT
SPECIFICATIONS FOR EMERGENCY MEDICAL VEHICLE
BID RETURN INSTRUCTIONS

The Town of Maynard Fire Department is seeking sealed bids on a Type I, Class I, Emergency Medical Vehicle. These specifications are written with the intent establishing a level of safety, quality and performance for a modern, well-equipped Emergency Medical Vehicle, insuring that the Town of Maynard Fire Department receives the best vehicle for the required services it shall perform. These specifications describe the minimum acceptable requirements.

Each bidder shall furnish satisfactory evidence of his ability to construct the apparatus herein specified, and state the location of facility where the apparatus is to be built.

Bids are due September 26, 2012 no later than 3:00 PM and shall be sent to:

Maynard Fire Department

1 Summer Street

Maynard, MA 01754

Bids will only be considered using manufacturers within the continental United States, which have an established reputation of permanence and reliability in the field of Emergency Medical Vehicle construction. The manufacturer must be actively engaged in the business of Emergency Medical Vehicle construction.

To insure proper service, no bid will be accepted unless the bidder offers facilities within 25 miles of the Town of Maynard Fire Department where service is available. The facility must be staffed by full time personnel.

The Town of Maynard Fire Department has the right to reject any bid submitted by a dealer or manufacturer who cannot satisfactorily demonstrate a completed current model of a Type I, Class I Emergency Medical Vehicle, similar in specifications to that which is requested in this bid, of its own manufacture.

The following specifications describe an Emergency Medical Vehicle suitable for use by the Town of Maynard Fire Department. These specifications are intended to provide a common standard to which all parties may bid.

All exceptions and/or deviations to these specifications shall be listed on a separate page.

If the bidder is not going to furnish the item exactly as described, they must indicate a deviation even though they feel they may be exceeding what is described. For each deviation taken, the bidder must include a detailed technical description of what they will furnish as well as an explanation of why their deviation equals or exceeds the item in the specifications. Terms such as "to the intent of" will not be acceptable and may deem the bid unacceptable for evaluation.

Bids that are found to have deviations without listing them will be rejected.

In order that an equal uniform comparison may be made, all bids must be submitted in the exact sequential format herein outlined. A Bidders standard proposal will not be considered in lieu of bid proposal format herein required. Purchaser will not attempt to decipher various manufacturers' specification documents, etc. in an effort to determine compliance with all items required herein, and to make a determination if all bidders are bidding equal components and quality.

All bids must be completed as instructed. No other specifications are to be used. By rejecting any bids not so submitted, the buyer will insure that all bidders are bidding on the same standard so a fair evaluation can take place.

These specifications have been prepared after due consideration by the purchaser and alternate bids are not permitted.

The cab and chassis shall have the standard OEM factory warranty. The conversion manufacturer shall provide a lifetime warranty on the modular body, as well as a minimum six (6) year /72,000 mile warranty on the electrical system. The paint warranty on the module is 5 year/100,000 miles, all of the above warranties are NON-PRORATED.

The vehicle and related equipment must comply with all applicable regulations as set forth in Federal Specification KKK-A-1822F. Certifications of Testing Requirement KKK-A-1822F shall be presented. Tests shall be certified by a recognized independent testing facility, and said document shall be presented at the time of the bid opening.

All parts and components not specifically mentioned herein which are necessary to provide a complete well-equipped Emergency Medical Vehicle shall be furnished by the contractor and shall conform in quality, strength and workmanship. Certification may be required on non-specified component parts.

The successful bidder may be required, prior to issuance of a final contract, to have a pre-construction conference. Bidder must be present in person to finalize all details and answer any final questions the purchasing and specification committee have regarding the bid proposal submitted. No contract or authorization to begin construction will be authorized until such time as this conference is scheduled, or determined by the purchaser not to be necessary.

The Town of Maynard Fire Department reserves the right to confer with the engineering department of the successful bidder on any and all points of questions not covered in these specifications, prior to the start, and during the fabrication of said unit.

Bidder shall include with the bid a list of Emergency Medical Vehicles that have been delivered by the bidder similar in design to the Emergency Medical Vehicle being bid.

The Contractor must provide a "Certificate of Origin" certifying the location of manufacturer.

It is strictly understood that NO EXPERIMENTAL UNIT shall be considered under these specifications.

Bid prices shall include delivery to the Town of Maynard Fire Department. The bidder shall state the number of calendar days, from awarding of the bid, to delivery of said unit to the town.

Any bids requiring a pre-payment before delivery will be unacceptable.

All bid proposal prices shall be F.O.B. to the Town of Maynard Fire Department and shall include any and all freight and destination charges.

A complete set of drawings, both inside and outside of the proposed emergency medical vehicle shall be submitted with the bid proposal.

All bids submitted must be "SEALED" and clearly marked on the outside face of the envelope "BID FOR Type I, Class I EMERGENCY MEDICAL VEHICLE". Date and time of bid opening must appear on the outside of the envelope as well as the name and address of the bidder.

The Town of Maynard Fire Department is exempt from the payment of State and Federal taxes.

The Town of Maynard Fire Department reserves the right to reject any and all bids, to waive any informalities in the bids and to accept the proposal which it deems to be in the best interest of the town. In the event of any doubt or difference of opinions as to the items to be furnished herein, the decision of the Town of Maynard Fire Department shall be final and binding on both parties.

The Town of Maynard Fire Department will accept the finished vehicle after determination has been made that all specifications have been satisfied. This specification shall be used line for line to determine that all items in this specification have been met in their entirety. No deviation from this specification will be permitted unless the bidder has submitted such proposed deviation in writing with this bid proposal and such exceptions are granted.

The finished ambulance shall be inspected by the Massachusetts Office of Emergency Medical Services prior to delivery.

Bid surety **shall be in the amount of 10% of the total bid price** and in the form of a certified check, cashier's check or a bid surety bond from a bonding company licensed to do business in the State of Massachusetts shall be included with the bid.

TOWN OF MAYNARD FIRE DEPARTMENT
CLASS I, TYPE I, 4 x 4
AMBULANCE BID SPECIFICATIONS

CHASSIS

CHASSIS MAKE AND MODEL:

The chassis shall be supplied as an incomplete vehicle and when completed as an ambulance by the second stage manufacturer shall conform to all applicable Federal Motor Vehicle Safety Standards in force at time of manufacture.

A certificate of compliance with all FMVSS requirements shall be attached to the finished vehicle on the chassis door frame post by the ambulance manufacturer.

We comply completely as specified _____ We Do Not comply as specified _____

VEHICLE AND WHEELBASE:

The chassis for this ambulance shall be a new 2012 Ford F-450, Super Duty conventional, 4 x 4, chassis or equal with dual rear wheels, a 189" inch wheelbase, and a 108 inch cab to axle, with rear wheel drive, and the ambulance prep package 47A.

We comply completely as specified _____ We Do Not comply as specified _____

GVWR: The chassis shall be supplied as an incomplete vehicle and when completed as an ambulance by the second stage manufacturer shall conform to all applicable Federal Motor Vehicle Safety Standards in force at time of manufacture.

A certificate of compliance with all FMVSS requirements shall be attached to the finished vehicle on the chassis door frame post by the ambulance manufacturer.

The GVWR of the chassis shall be set by the chassis manufacturer at 16,500 lbs.

We comply completely as specified _____ We Do Not comply as specified _____

TRIM PACKAGE:

The trim package shall be the highest level trim package from the chassis manufacturer with the Ambulance Prep chassis. It shall include a chrome front bumper and chrome like grille face, aero style headlights with daytime running lights, black fender flairs, and tinted glass. The interior shall have color keyed door trim, OEM rubber floor mat on the cab floor and cloth headliner, dual padded sun visors, courtesy and dual dome lights A pillar grab handles, cloth headliner, rear view mirror, two 12 volt power points, sound reduction package. Power steering with tilt steering wheel and cruise control, power door locks and power windows, and power adjustable brake and accelerator pedals.

A power door unlock switch shall be installed in the grille area.

We comply completely as specified _____ We Do Not comply as specified _____

The second stage ambulance manufacturer may not remove or replace any component of the chassis such as the grill with any aftermarket components. These may violate FMVSS or Ford QVM and in any case are not readily available and are more costly for repairs and replacement.

We comply completely as specified _____ We Do Not comply as specified _____

CHASSIS INTERIOR COLOR:

The chassis interior color shall be OEM gray.

We comply completely as specified _____ we Do Not comply as specified _____

CHASSIS HEATER AND AIR CONDITIONER:

OEM heavy duty, high output with auxiliary heat/air conditioning connections.

We comply completely as specified _____ we Do Not comply as specified _____

CAB SEATS:

Deluxe cloth OEM high back captain's chairs, seat belts with shoulder harnesses

The cab OEM seats must be the seats installed and shipped with the chassis by the chassis manufacturer and have the correct serial number. The OEM seat pedestals shall be located in the mounting location as instructed by the chassis manufacturer. Any changing of the chassis manufacturer's OEM seats, mounting of pedestals or location thereof is strictly prohibited.,

We comply completely as specified _____ we Do Not comply as specified _____

RADIO:

Chassis shall be equipped with OEM installed AM-FM stereo radio with CD player, clock and dual cab speakers.

We comply completely as specified _____ we Do Not comply as specified _____

ENGINE:

Engine shall be a V-8 Turbo charged 6.7 liter, diesel engine. With the OEM engine block heater wired to the shoreline.

We comply completely as specified _____ we Do Not comply as specified _____

TRANSMISSION:

Torque shift heavy duty six speed Select Shift transmission with external oil cooler.

We comply completely as specified _____ we Do Not comply as specified _____

ENGINE COOLING SYSTEM:

A heavy duty liquid cooling system utilizing a (50/50) mix of permanent type anti-freeze and water for protection to (-40) degrees Fahrenheit

We comply completely as specified _____ we Do Not comply as specified _____

REAR AXLE RATIO:

Rear axle shall be 4.30 to 1 with a limited slip differential and rear stabilizer bar.

We comply completely as specified _____ We Do Not comply as specified _____

MIRRORS:

Mirrors shall be dual OEM below eye level black telescoping folding mirrors mounted on the doors. The top head shall be 56 sq. in. and a regular mirror. The bottom section shall be a 25 sq. in. convex mirror. Both mirrors shall have turn signal indicators. Both the top heads shall be heated, power remote controlled from the driver's side door panel. Both the convex mirrors shall be manually adjustable.

We comply completely as specified _____ we Do Not comply as specified _____

FUEL TANK:

Fuel Tank size shall be set by the chassis manufacturer for this series chassis with ambulance prep package 47A with a diesel engine. The tank size shall be 40 gallons. Cast aluminum recessed housing shall be installed around the fuel fill on the street side of the module body installed in compliance with QVM requirements.

We comply completely as specified _____ We Do Not comply as specified _____

TIRES AND WHEELS:

Seven (7) Michelin LT 225/70R 19.5, Load Range G, steel belted radial tires, XZE on the front, X M & S XDS-2 on the rear, black side wall. The spare tire and wheel shall be shipped loose with the finished vehicle. The two front wheels and the two outer rear wheels shall be polished aluminum. The spare wheel and the two inner rear wheels shall be steel. Install hub covers on front and rear hubs and valve extensions on the inner rear wheels.

We comply completely as specified _____ we Do Not comply as specified _____

AIR BAGS:

Second generation air bags for the driver and passenger in the cab

We comply completely as specified _____ We Do Not comply as specified _____

STABILIZER BARS:

Front and Rear OEM Stabilizer anti sway bars shall be installed on the chassis to prevent body shift and loss of control during any sudden and or severe turn or swerve by the driver.

We comply completely as specified _____ We Do Not comply as specified _____

SPRINGS, AXLES AND SHOCKS:

Front: Mono-beam with coil springs, heavy duty shock absorbers.
Rear: Non independent live axle with leaf springs and stabilizer bar.

We comply completely as specified _____ we Do Not comply as specified _____

SHOCK ABSORBERS:

Heavy Duty shock absorbers, front and rear

We comply completely as specified _____ we Do Not comply as specified _____

BRAKES:

Heavy duty hydro-boost assisted. Front and rear disc with 4 wheel anti-lock brake system.

Parking brake: foot operated.

We comply completely as specified _____ we Do Not comply as specified _____

STEERING:

Power steering with tilt wheel and cruise control

We comply completely as specified _____ we Do Not comply as specified _____

EXHAUST:

The exhaust shall be set up on the right side to accept a Plymo-Vent system.

We comply completely as specified _____ we Do Not comply as specified _____

ALTERNATORS:

The alternators shall be the chassis manufacturers OEM dual alternators with internal regulators. 320 AMP. Both alternators shall be fully warranted by the chassis manufacturer. Aftermarket alternators or power boosters are strictly prohibited and will not be accepted.

We comply completely as specified _____ We Do Not comply as specified _____

VARIABLE THROTTLE CONTROL:

In order to reduce the number of component parts and unnecessary throttle linkages, the OEM factory electronic throttle control shall be utilized to activate the throttle advance system. The controls shall require that the chassis be placed in the park position and the parking brake engaged before activation of the throttle advance.

We comply completely as specified _____ We Do Not comply as specified _____

BATTERIES

There shall be supplied by the chassis and ambulance manufacturer Four (4) maintenance free OEM batteries, rated at 750 CCA each and shall be installed, two (2) in the engine compartment and two (2) in a slide out tray in a compartment on the right front side of the module body under the inside/outside compartment. The batteries are to be wired in parallel in the OEM configuration that complies with QVM and KKK-A-1822-F requirements. The batteries will be wired so that both will always be used for

starting and controlled by a 300 AMP power cut off switch. The chassis ignition activates the cutoff switch. Power can be provided to the module without the engine running by turning the ignition to the accessory position.

A timer shall be installed on the battery switch to allow for proper lighting while unloading the patient.

We comply completely as specified _____ We Do Not comply as specified _____

There shall be NO BATTERY Disconnect switch or devices that will cut power to the Chassis. This is a violation of Ford QVM.

We comply completely as specified _____ We Do Not comply as specified _____

GUAGES AND METERS:

Speedometer, odometer, fuel gauge, temperature gauge, oil pressure gauge, digital voltmeter, hour meter

We comply completely as specified _____ we Do Not comply as specified _____

CAB WINDOWS:

Tinted safety glass shall be installed in all cab windows.

We comply completely as specified _____ we Do Not comply as specified _____

WINDSHIELD WIPERS:

The windshield wipers are to be (2) speed electric, with washer and adjustable intermittent cycle.

We comply completely as specified _____ we Do Not comply as specified _____

RUNNING BOARDS:

Heavy duty polished aluminum grip strut running boards shall be installed from the back of the front wheel opening to the front of the module body under the cab doors. The running boards shall include splash shields on the front to protect the chassis and module body.

Note: The running boards shall be constructed of grip strut for sure footing in inclement weather.

4" Wes-Guard LED running board lights shall be recessed into the front lower section of the module body to illuminate the running boards with the opening of the cab doors.

We comply completely as specified _____ we Do Not comply as specified _____

FRONT MUD FLAPS:

Black front mud flaps shall be installed on the front of the cab running boards behind the front wheels.

We comply completely as specified _____ we Do Not comply as specified _____

REAR MUD FLAPS:

Heavy duty black rubber mud flaps shall be installed behind the rear dual wheels. The rear mud flaps shall be installed in such a manner as not to interfere with the exhaust system.

We comply completely as specified_____ we Do Not comply as specified_____

CAB CONSOLE:

A custom cab console shall be installed in the cab between the cab seats. Design and layout of this console shall be determined at the pre-construction conference.

We comply completely as specified_____ we Do Not comply as specified_____

MISCELLANEOUS CHASSIS ITEMS:

Dual pitch horns reduced sound level exhaust, OEM standard undercoating, and front license plate bracket.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE CONVERSION

EXTERIOR DIMENSIONS:

Overall vehicle length	304.0 inches
Overall vehicle height	110.0 inches
Overall module body length	172.0 inches
Overall module body height	91.0 inches
Overall module body width	96.0 inches

We comply completely as specified_____ we Do Not comply as specified_____

INTERIOR DIMENSIONS:

Length forward door to rear door	162.0 inches
Width interior wall to wall	90.0 inches
Width of aisle	49.0 inches
Height floor to ceiling	72.0 inches
Loading height	35.0 inches

We comply completely as specified_____ we Do Not comply as specified_____

GENERAL CONSTRUCTION

The entire body will be a welded all aluminum and **SEAMLESS** one-piece body. A seamless module body is required to minimize the chance of paint corrosion and paint adhesion problems. The entire perimeter and around all openings of the body shall be fully welded and ground smooth thus eliminating any joints or seams. The use of tongue and groove method of construction that requires the use of a seam sealer is not acceptable. This is to prevent the cracking of paint at these areas resulting in a buildup of road dirt, grime, and road oils, and the eventual development of corrosion along the tongue and groove seams. Tongue and groove extrusions for the corner posts and roof perimeter are also unacceptable. The finished module body shall be tested by an independent testing laboratory and certified to the Federal Specification KKK-A-1822-F. Certification shall be included with the bid.

We comply completely as specified_____ we Do Not comply as specified_____

TYPE OF WELDING UTILIZED:

The welds on all structural and sheet aluminum on this entire body shall be done using a Pulse Arc Mig Welder. This allows for a hotter more penetrating weld in all areas without burning through the aluminum or creating major warping of the aluminum.

We comply completely as specified_____ we Do Not comply as specified_____

The aluminum skin, the roof, side, and front and rear panels, shall be permanently fastened to the framework using Lord 406/19 Acrylic Adhesive. Adhesive is applied to the sidewall skin to prevent warp age, oil canning and metal deflection associated with the welding of the sidewall skin to the structural framework. The use of double back adhesive tape is prohibited to eliminate the possibility of the adhesive tape failing to maintain a bond to the external skin.

We comply completely as specified_____ we Do Not comply as specified_____

EXTERIOR BODY SKIN:

The body wall skin shall be of prime commercial quality .125" thick 3003 H14 corrosion resistant aluminum. All side, roof, and front and rear panels shall be .125" thick. The use of side, roof, and front and rear panels that are of a lesser thickness is strictly prohibited.

We comply completely as specified_____ we Do Not comply as specified_____

All side, front and rear panels and the roof panel shall be a single sheet of aluminum. Covering the sidewall, front, rear or roof of the exterior body with sectional pieces of aluminum panels is prohibited. This is to eliminate the necessity for joints or seams where these panels join.

We comply completely as specified_____ we Do Not comply as specified_____

WALL AND ROOF SUPPORT FRAMEWORK:

The wall and roof support framework shall be 2" x 2", .125" thickness, 6061-T6 extruded aluminum box beams and extrusions spaced on 12" centers or less. There shall be no frame members spaced at a distance in excess of 12". The roof support framework shall additionally include .125" 6061-T6 extruded 1" x 2" aluminum box beams running the full length of the roof. The frame and skin shall be fully welded with no rivets. The roof shall be crowned for water runoff.

We comply completely as specified_____ we Do Not comply as specified_____

CORNER POST AND ROOF PERIMETER EXTRUSIONS:

The exterior of the body will be finished smooth with 45-degree **SEAMLESS** beveled extruded corner posts and the entire perimeter of the roof presenting a modern and dynamic appearance. The outer wall thickness of the extruded corner posts and the entire perimeter of the roof shall be .250" to provide additional protection at all corners. The body will be designed and built to provide impact and penetration resistance, with appropriate channel reinforcing to assure rigidity. Tongue and groove extrusions for the corner posts and roof perimeter are unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

GUSSETS:

Where required in stress areas, gussets will be welded to the roof, side and front and rear structural framing to additionally give support and enhance load bearing characteristics thereby adding to the overall strength of the module body.

We comply completely as specified_____ we Do Not comply as specified_____

BODY ATTACHMENTS:

All parts of the body and attachments will be fastened together with rust resistant fasteners in a manner that will preclude loosening of any bolts and screws, and the cracking of welded joints. The exterior body panels will be made of not less than 0.125" thick aluminum and be reinforced at all points where equipment will be attached.

We comply completely as specified_____ we Do Not comply as specified_____

WELDED STRUCTURE:

The body will be an all welded structure. Welding will not however, be employed in the assembly of the body in a manner that will prevent the ready removal of any component part for service or repair.

We comply completely as specified_____ we Do Not comply as specified_____

RUBBER ISOLATOR PADS:

In the assembly and mounting of the body, areas where steel is in contact with aluminum, there shall be rubber isolator pads installed. This pad provides corrosion and water resistance.

We comply completely as specified_____ we Do Not comply as specified_____

CORROSIVE PROTECTANT:

All fasteners, bolts, screws, etc used in the assembly of the body and all attachments shall be coated with the "ECK" brand corrosive protectant. Additionally, all exterior door hinges, both

entry and compartment, are to be coated with "ECK" protectant prior to the installation of the door. This "ECK" coating is to be used in lieu of a gasket material behind the hinge to prevent the problems of gasket retention and deterioration.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE BODY MOUNTING:

The body shall be attached to the frame of the chassis with the 8 OEM rubber mounts and bolt assemblies provided for such purpose by the chassis manufacturer. The body (components) will not be welded to the frame of the chassis. The mounting of the module body to the chassis shall be done in strict accordance with the chassis manufacturer's guidelines. Any other method of attachment is strictly prohibited.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE ROOF:

The roof surface shall be **SEAMLESS** and **CROWNED** and of **ONE PIECE** of .125" aluminum (5052-1432). The use of any type of sealer or caulking material is strictly forbidden. There shall be no lip or protrusion on the roof that could result in the entrapment of any water or moisture.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE ROOF PERIMETER:

The perimeter of the roof shall be constructed of 45-degree **SEAMLESS** beveled extrusions that eliminate any lip or protrusion providing a smooth finish. The outer wall thickness of the roof perimeter extrusions shall be .250" to provide additional protection at all perimeter corners. Tongue and groove extrusions for the roof perimeter are unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE ROOF UNDER STRUCTURE:

The roof under structure will be fabricated from extruded aluminum box beams (6061-T6). The under structure will be constructed by welding 1" x 2" x .125" box beams lengthwise and by welding 2" x 2" x .125" box beams, spaced on 12" centers or less, crossways forming a cross sectional grid roof support framework. Corner gussets will be welded to the roof and sidewall support structure to enhance load-bearing characteristics. The complete roof will be treated with a sound-deadening barrier. The roof panel shall be fully perimeter welded and adhesive bonded to the roof under structure with Lord 406/19 Acrylic Adhesive. The use of skip or intermittent welding of the roof perimeter is unacceptable. Roof aluminum panels that are less than .125 in thickness are unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

ROOF CORNER CAPS:

The roof corner cap on all four corners where the corner and roof extrusions meet shall be a solid extruded aluminum cap that interlocks into the corner and roof extrusions and is then welded continuously around its perimeter, then ground smooth forming a smooth fully welded and seamless solid corner cap. Corner caps that have integrated lights in them are unacceptable due to the fact that the cutout for the recessed light weakens the structure of the corner cap and the mating of the corner and roof extrusions.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE BODY SIDEWALLS:

The body sidewall skin shall be constructed of a single sheet of .125" aluminum (3003 H14). The sidewall under structure will be fabricated by welding 2" x 2" x .125" extruded aluminum box beams vertically, spaced no further than on 12" centers. The vertical tubing will join and be welded to roof supports (2" x 2" x .125" extruded aluminum box beams) to form an interlocking grid between the sidewall and the ceiling. The complete sides will be treated with a sound-deadening barrier. The body sidewall skin shall be fully welded around the entire perimeter and all body openings and adhesive bonded to the sidewall with Lord 406/19 Acrylic Adhesive.

We comply completely as specified_____ we Do Not comply as specified_____

All body openings shall be seamless. Body openings framed with tongue and groove style extrusions requiring the use of seam sealer will not be acceptable.

We comply completely as specified_____ we Do Not comply as specified_____

FLOOR SUB-STRUCTURE:

The floor shall be at the lowest level permitted but not more than 35 inches from the ground with no modifications to the OEM chassis suspension. There shall be 8 mounting points using the chassis supplied ladder supports.

We comply completely as specified_____ we Do Not comply as specified_____

FLOOR SUB-STRUCTURE CONTINUED:

The floor structure shall consist of 2" x 2" x .250" primary box beams running the full length of the module body and 2" x 1" x .125" secondary box beams running the entire width of the body. The finished assembly shall be securely welded to the wall structures and exterior compartments. All critical load points will be reinforced with gussets.

The sub floor shall be minimum of (.090) flat sheet aluminum. Lighter aluminum than (.090) will be unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

UNDERBODY HEAT SHIELD:

An aluminum underbody heat shield shall be installed between the chassis exhaust and muffler system and the underbody of the module to act as a shield and prevent heat transference into the patient compartment.

We comply completely as specified_____ we Do Not comply as specified_____

EXTERIOR COMPARTMENT CONSTRUCTION:

Compartments provided on the unit will be constructed as follows: The compartment floor will be fabricated of (.125) diamond plate aluminum (3003-H14) and the ceiling and bulkheads consisting of (.100) diamond plate aluminum (3003-H14).

We comply completely as specified_____ we Do Not comply as specified_____

All exterior compartments will be sweep out style to provide for ease of cleaning. Drain holes are not desirable. All exterior compartments will be vented to provide for the displacement of air when closing doors. Vent louvers shall be installed on the vertical walls of the exterior compartments.

We comply completely as specified_____ we Do Not comply as specified_____

All exterior compartments shall be lighted when the compartment door is opened. Compartment lights will be flush mounted with wiring routed through the body eliminating any exposed wiring.

We comply completely as specified_____ we Do Not comply as specified_____

EXTERIOR COMPARTMENT SUPPORT:

There will be a minimum of one (1) 2" x 2" square aluminum support with a wall thickness of .125" welded beneath each exterior compartment and then welded to the body understructure frame to add extra support to each compartment.

We comply completely as specified_____ we Do Not comply as specified_____

EXTERIOR COMPARTMENT SHELVING:

All exterior compartment shelving shall be "Pan" style aluminum shelves mounted on two (2) sets of uni-strut tracks at each end of the shelf providing infinite adjustment. Rubber matting is to be installed on the topside of all shelving.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR JAMB EXTRUSIONS:

The framing around all of the doors shall be made of a special heavy duty formed extrusion of no less than .188 gauge aluminum. In many areas this extrusion will be backed to a .125 tube frame member adding to its already superior strength and size. A heavier extrusion is called for here due to the extreme stress put on these areas during normal use. In addition the corner of each door jamb extrusion shall have a .250" cast aluminum inserted and welded to the horizontal and vertical extrusions. This cast part shall add superior strength and uniform fit and finish. These extrusions will make seamless edges around all doors. Tongue and groove constructed extrusions creating seams around the doors are unacceptable due to the fact that they frequently lead to premature corrosion and paint adhesion problems.

We comply completely as specified_____ we Do Not comply as specified_____

All compartments that do not reach the roof extrusions shall have added .125" thick tube frame members welded to the door jamb extrusion to create an extremely strong perimeter for each compartment.

We comply completely as specified_____ we Do Not comply as specified_____

The corner of each patient compartment door frame and exterior compartment door frame

shall have a 1/4" cast aluminum corner support inserted into and welded to the horizontal and vertical extrusions. This door frame construction shall ensure superior strength as well as uniform fit and finish. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR CONSTRUCTION:

A 2 3/8 inch thick x .188 thick extruded and formed inner door frame shall be laid inside of a .125 thick Pan Formed exterior door skin. The pan formed section of the door skin that is wrapped around the 3/16" frame will then be welded to that frame. The inner door frame will have an inset from the exterior skin approximately 3/4" on all four sides allowing for installation of the door gasket. The inner frame shall have cross member support beams and corner gussets to add to the overall strength.

We comply completely as specified_____ we Do Not comply as specified_____

The door(s) of each compartment will be flush type (being on the level with adjacent body surface) and of **PAN FORMED / EXTRUDED DOUBLE BREAK** construction. The weather seal is to be mounted on the outer flange of the door with the latches and strikers mounted on the extruded second break inside the door opening. This door design eliminates exposure of the latches to the elements and prevents moisture from corroding the latch mechanisms. Weather seals that are installed inboard in any way of the latch mechanisms and strikers are strictly prohibited.

We comply completely as specified_____ we Do Not comply as specified_____

All doors shall be constructed of .125 aluminum and 2 1/2" thick.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR INNER PANELS:

The inner panel on all exterior compartment and entry doors will be fastened to the extruded door-frame and recessed into the door frame extrusion for a flush finish. Surface mounting of any interior door panels is not allowed. All fasteners used for the mounting of the interior panels are to have a rubber grommet affixed to the underside of the screw head to prevent the fastener screws from loosening and backing out of the extrusion. The interior door panels shall be readily removable for access to the interior of the door and the latching mechanism.

We comply completely as specified_____ we Do Not comply as specified_____

The lower 1/3 rd of the interior of the 3 patient compartment doors shall be finished in stainless steel. This will serve as a lower kick plate.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR REINFORCING:

All doors shall be reinforced and cross-braced inside for increased strength allowing for the mounting of equipment on the door. Four 6" x 6" gussets of .188" thick aluminum will be installed in all four corners of the door frame to give added strength.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR ADJUSTMENT AND MAINTENANCE:

In order to facilitate adjustment and routine maintenance of door linkage rods and latches, all patient compartment entry doors and exterior compartment doors shall have access ports. There is to be an access port above and one below each interior entry door handle of sufficient size to allow for the adjustment of the door linkage rods. Access ports shall also be provided for the lubrication of the slam latches located at the top and bottom of each entry door. All ports are to be covered with a friction type "plug-in" plastic cover that is readily removable.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR LATCH ASSEMBLIES:

The door latch assembly of each compartment will be two (2), point slam lock, Eberhard Grabber 21100 (206 rotary latch) of stainless steel construction. Door latch assemblies shall be "blind mounted" eliminating any exposed mounting hardware on the exterior side of the latches. There is to be a rubber gasket between the exterior stainless steel latch assembly and the aluminum door to ensure the isolation of the two dissimilar metals.

The door linkage rods' connecting the door handles and the rotary latches are to be threaded stainless steel rods. They shall be straight direct pull rods with no bends built into the rods allowed. Adjustments to the entry door linkage rods are to be provided by a turnbuckle located above and below and adjacent to each interior door handle. The use of stainless steel cable for the door linkage is strictly prohibited.

We comply completely as specified_____ we Do Not comply as specified_____

All exterior doors are to be lockable via an "automotive style" lock with all compartment and patient compartment entry doors being keyed alike. The key shall be double sided for ease of insertion into the lock.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR LATCH STRIKER PINS:

Door striker pins shall be installed on the vertical compartment flanges, with the exception of double doors. There are to be two (2) pins per door, with the exception of the battery compartment door which shall have one pin. All striker pins shall be fully adjustable from the exposed side. They will be grade 8.0 cadmium plated steel strikers with a "captive nut" for adjustment and so located as not to interfere with the sweep-out design of the compartment itself.

We comply completely as specified_____ we Do Not comply as specified_____

STAINLESS STEEL DOORSILL PROTECTORS:

All compartment and entry doors shall have one-piece full width stainless steel doorsill protectors to protect the body and paint from equipment being moved in and out of the compartment.

We comply completely as specified_____ we Do Not comply as specified_____

DRIP RAILS:

Each compartment and entry door is to have a full width aluminum drip rail mounted above each door. All drip rails are to be attached using double back adhesive tape. The use of screws, rivets, or any other form of metal attachment is not acceptable.

We comply completely as specified_____ we Do Not comply as specified_____

EXTERIOR COMPARTMENT DOOR HOLD OPEN:

All compartment doors will be equipped with a gas strut door stay that holds the door at 90 degrees to the body when open. All gas struts are to be mounted in such a way as to allow for easy access in the event that replacement or repair is required.

We comply completely as specified_____ we Do Not comply as specified_____

There shall be a "dampening" device installed within each gas strut for the purpose of preventing the "shock" that can occur when a gas strut is fully extended.

We comply completely as specified_____ we Do Not comply as specified_____

STAINLESS STEEL HINGES:

Each compartment door will be mounted with a continuous stainless steel piano hinge with a minimum pin diameter of (.250). Hinge Pin diameter of less than (.250) is unacceptable to ensure the long-term performance of the hinge in this extreme use application. The door hinges shall be installed prior to painting and then removed and reinstalled after the body has been painted. An anti corrosion material known as ECK shall be applied along the entire length of the hinge prior to installation. Barrier tape or rubber gaskets used between the hinge and the body is unacceptable as it tends to work its way out of position therefore breaking the anti corrosion barrier.

We comply completely as specified_____ we Do Not comply as specified_____

COMPARTMENT DOOR SEALS:

Each compartment opening is to be sealed with full perimeter 5/8" wide by 1/2" thick hollow core wiper seal. The seal is to be mounted on the doorframe out board of the striker pins and the door latches. This seal insures that each compartment will be dust and waterproof and that the striker pins and door latches will remain dry and clean. Seals that are inboard of the door latches and strikers are unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR INSULATION:

All exterior compartment and patient compartment entry doors shall be insulated with a single layer of R-14.5 reflectics insulation. Additionally there shall be a single layer of 2" polystyrene insulation installed in each door.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE DOOR HOLD-OPENS:

Rear patient compartment doors shall be equipped with Cast Products "Grabber" hold-open devices. Side patient compartment door shall be equipped with Gas Strut door opening device.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE BODY WINDOWS:

Rear and side patient compartment doors shall have tinted safety glass windows encased in extruded aluminum frames. Each rear door shall have an 18.5" x 17.5" fixed window. The side door shall have an 18.5" x 17.5" slide opening window with screen and window lock.

We comply completely as specified_____ we Do Not comply as specified_____

MODULE ENTRY DOORS:

Right side entry door opening: 70" H X 30" W
Rear entry door opening (double door): 61" H X 50" W

The skirt line on both sides of the modular body shall be lowered four (4) inches to allow for higher exterior compartments with easier access, and the installation of two (2) integral polished aluminum steps inside the curbside door for easy access into the patient compartment. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

GRIP STRUT INSERT:

A recessed grip strut insert shall be installed inside of the curbside door in the threshold area. This grip strut insert shall be removable for easy cleaning.

We comply completely as specified_____ we Do Not comply as specified_____

CAST LICENSE PLATE HOLDER:

Installed and recessed into the center of the rear kick plate above the rear step bumper there shall be a Cast Products license plate holder with two (2) LED lights to illuminate the license plate.

We comply completely as specified_____ we Do Not comply as specified_____

STONE GUARDS:

Polished aluminum diamond plate stone guards shall be installed on the front of the module body on each lower corner from the level of the back of the running boards under the cab doors upwards to the bottom of the beltline stripe and shall wrap around the front corner post approximately two (2) inches. The rear stone guards shall be an integral part on the rear

polished aluminum diamond plate kick plate above the rear step bumper.

We comply completely as specified_____ we Do Not comply as specified_____

REAR WHEELWELL FENDER FLAIRS:

The rear wheel wells shall be trimmed with one piece stainless steel fender flairs that are attached to the body with stainless steel fasteners through a rubber barrier gasket to prevent corrosion from dissimilar metal contact. An anti corrosion material known as ECK shall be applied to the fender flair prior to installation. Any multiple piece fender flairs are not acceptable.

We comply completely as specified_____ we Do Not comply as specified_____

LOWER BODY RUB RAILS:

One piece lower body rub rail shall be installed at the very bottom of the body from the front of the body to the rear wheel well opening on each side of the module body. Another one piece lower body rub rail shall be installed from the rear of the wheel well opening to the rear of the body on each side of the module body. The ends of the rub rails at the wheel well openings shall be trimmed to following the contour of the fender flairs for a pleasing appearance.

A white reflective Scotchlite insert shall be installed in all four of the lower rub rails on both sides of the module body.

We comply completely as specified_____ we Do Not comply as specified_____

The rub rails shall be a heavy formed "C" channel shaped extrusion of .188 gauge thick polished aluminum rail that is mounted to the body with corrosion resistant fasteners and spaced .250" away from the body with nylon Delrin spacers for ease of cleaning in the inclement weather, and enabling the entire rub rail to be easily replaced if damaged.

We comply completely as specified_____ we Do Not comply as specified_____

Lower body rub rails that are part of the module body and are not easily removable are unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

The "C" channel shape of the rub rail extrusion and its .188 thickness gives greater strength than aluminum diamond plate rub rails and also allows for installing reflective material or lights if desired.

We comply completely as specified_____ we Do Not comply as specified_____

ELECTRICAL SYSTEM

ELECTRICAL SERVICE PANEL:

All circuits shall be rated to carry at least 125% of its maximum rated load. Each circuit shall be protected by a manual reset circuit breaker. This will allow a service technician to quickly locate and identify the area where there is an electrical malfunction. Each circuit that is rated more than three (3) amps shall be switched by use of a relay.

Auto reset breakers completely defeat the purpose of a circuit breaker by automatically resetting even though a malfunction in the circuit has not been corrected. This could cause serious damage to the wiring and components within that circuit. Therefore Auto Reset circuit breakers are not acceptable.

Circuit breakers and relays shall be mounted in plug-in, pull out sockets that are permanently mounted in a printed circuit board for durability, as well as weight and space savings. Relays should be a type that is readily accessible at any auto parts store. All circuit breakers shall be interchangeable with standard ATC automotive fuses so that system can be quickly returned to service.

We comply completely as specified_____ we Do Not comply as specified_____

ELECTRICAL PRINTED CIRCUIT BOARDS:

Printed circuit board systems have been proven to be the most reliable system for our applications. Hard wired systems utilize too many point to point wiring connections as well as old fashion unreliable solenoids. In addition they require the use of numerous after market add on components such as sequencers and load managers. Therefore hard wired systems are unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

Diagnostics shall be part of the printed circuit boards. Each board shall have colored LED lights which indicate current flow and will allow a service technician the ability to quickly diagnose the source on an interrupted circuit. Green lights shall indicate current flow through a specific component, relay or breaker.

We comply completely as specified_____ we Do Not comply as specified_____

Each separate circuit board shall have a red LED light on it that will illuminate anytime that there is an open circuit of any kind on that specific board. This open circuit can be due to a relay failure, breaker failure or removed component as well as a component failure itself. This again will allow the service technician to quickly identify the board that has the open circuit on it and affect a quick repair.

We comply completely as specified_____ we Do Not comply as specified_____

Circuit breakers and relays shall be mounted in plug in, pull out sockets that are permanently mounted in a printed circuit board for durability, reliability as well as weight savings. Relays should be of a type that is readily available at any auto parts or electrical shop.

We comply completely as specified_____ we Do Not comply as specified_____

All circuit breakers and relays on the boards must be individually labeled with numbers that correspond to those on the wiring diagrams.

We comply completely as specified_____ we Do Not comply as specified_____

ELECTRICAL SERVICE PANEL ACCESS:

The electrical service panel shall be mounted behind the hinged action wall and shall be easily accessible by activating a single latch allowing the switch panel section to swing down. The circuit boards shall be located in an easily accessible location in the electrical service panel for service technicians to perform troubleshooting and service work. This cabinet must be solely for the electrical system components, with a large enough door opening to perform work on the systems completely without removing them from the cabinet.

We comply completely as specified_____ we Do Not comply as specified_____

Under no circumstances shall any of the electrical systems be mounted in any exterior compartment. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

The entire electrical system shall be one that can be serviced by any reputable electrical repair shop or technician without the use of special computers and/or programming.

We comply completely as specified_____ We Do Not comply as specified_____

Wiring diagrams on 8 ½ x 11 standard sheets of paper shall be supplied in the owners manual for every circuit in the vehicle installed by the ambulance manufacturer including all optional electrical equipment.

We comply completely as specified_____ we Do Not comply as specified_____

LOAD MANAGEMENT SYSTEM:

The distribution panel shall include a solid-state programmable load management system designed to sense when the charging system is not keeping up with the electrical demand. When this situation exists, the load manager will automatically shut down warning lights, one at a time in a programmed sequence until the electrical load is being sustained without discharge. This system only functions when the unit is in park.

We comply completely as specified_____ we Do Not comply as specified_____

SEQUENTIAL SWITCHING:

A solid state Sequential Switching System shall be installed that will turn emergency lighting on/off in staggered ½-second intervals. This is done to eliminate subjecting the alternator to sudden load and unloading of electrical draw.

We comply completely as specified_____ we Do Not comply as specified_____

ELECTRICAL WIRING:

All the vehicle's electrical equipment shall be served by circuits separate and distinct from the chassis electrical system. All electrical wiring shall be run in grease, oil, heat and moisture resistant looming. Harnesses shall be fastened with vinyl-clad clamps and grouted at any area they contact a metal edge.

Every load carrying wire shall be a minimum of 12-gauge, and shall be color-coded and heat embossed with its function every 6 inches.

There shall be at least a 6-inch service loop of wire at the point of attachment to each component. All electrical connections shall be machine crimped; the use of Scotch-locks is strictly prohibited.

We comply completely as specified_____ we Do Not comply as specified_____

12V DC OUTLETS:

There shall be three (3) Cigar style 12V DC outlets, Locations to be determined at pre-construction conference. All three 12 volt outlets shall be wired hot at all times.

We comply completely as specified_____ we Do Not comply as specified_____

AUTO EJECT SHORELINE:

There shall be a weatherproof 110V - 125V Kussmaul Auto Eject shorelines rated at 20 amps with spring-loaded cover assemblies located on the front left corner of the module body for incoming 110-volt power. This receptacle shall be labeled. They shall be wired through one 15-amp circuit breaker each. An access plate shall be installed on the left hand wall in the street side front exterior compartment for easy access to the back side of the shoreline.

We comply completely as specified_____ we Do Not comply as specified_____

SHORELINE INDICATOR LIGHT:

A red LED 2 bulb 2.5" x 1" shoreline indicator light shall be installed above the shoreline inlet to indicate that power is going into the shoreline.

We comply completely as specified_____ we Do Not comply as specified_____

110 VOLT INTERIOR RECEPTACLES:

Three (3) 110 volt duplex interior receptacles shall be installed as follows, one on the back wall of the action area, and one in the ALS cabinet on the front bulkhead wall, one in the telemetry area, wired to the shoreline. All duplex outlets shall illuminate as per KKK-A-1822-F requirements.

We comply completely as specified_____ we Do Not comply as specified_____

All 110 volt receptacles in this system throughout the vehicle shall be GFI protected and all interior outlets shall further be illuminated when powered.

We comply completely as specified_____ we Do Not comply as specified_____

INVERTER/ BATTERY CHARGER:

A Vanner model 1050 CUL, 1050 watt inverter/55 AMP battery charger shall be installed in the exterior electrical compartment above the oxygen compartment. An on/off switch for the operation of the inverter shall be installed in the action area. The battery charger shall be wired to the chassis batteries and the shoreline so that whenever the external shoreline inlet is energized the battery charger will be active and keep the chassis batteries charged.

We comply completely as specified_____ we Do Not comply as specified_____

BLOCK HEATER WIRING:

The chassis engine block heater shall be wired into the 110 volt shoreline system. It can be activated whenever the external power is applied to the shoreline inlet. In the warm weather the plug under the hood can be disconnected so as not to activate the heater when the shoreline is plugged in.

We comply completely as specified_____ we Do Not comply as specified_____

EMERGENCY LIGHTING:

The unit shall be equipped with a Ventron #6280 flasher or equal and the following warning lights:

8) Whelen 900 series or equal red "Smart Linear LED Lights" as follows:

2) On the upper outboard corners on the front of the module body.

2) On the upper outboard corners on the rear of the module body.

2) On the upper outboard corners on the street side of the module body.

2) On the upper outboard corners on the curb side of the module body.

1) Whelen 900 series clear "Smart Linear LED Light installed top center on the front of the module body.

1) Whelen 900 series amber "Smart Linear LED Light" installed top center on the rear of the module body.

4) Whelen 900 series "Smart Linear LED Lights" installed on the rear at window level as follows: street side red upper/blue lower, curbside red upper/amber lower. These 4 lights are to flash in an X pattern.

Note: All Whelen 900 series red lights shall be mounted as far outboard for maximum lighting protection. .

2) Whelen 700 series red "Smart Linear LED Lights" as follows:

2) Mounted above the rear wheel wells.

4) Whelen 500 series red "Smart Linear" LED lights as follows.

2) Mounted in the front fenders as intersection lights.

2) Mounted in the grille in cast housings as grille lights.

2) Additional Whelen 500 series clear "Smart Linear" LED lights mounted in cast housings under the red grille lights on a separate on/off switch.

Circuit shall have a dual mode switch. "Primary" shall flash all lights. "Secondary" shall flash top red lights only.

We comply completely as specified_____ we Do Not comply as specified_____

ADDITIONAL BRAKE LIGHTS:

The red Whelen 900 series red flashing LED lights on the rear at window level shall operate as additional brake lights in addition to emergency lights.

We comply completely as specified_____ we Do Not comply as specified_____

CHROME FLANGES ON EMERGENCY LIGHTS:

All emergency lights mounted on the vehicle shall have chrome flanges, except the front fender intersection lights which will be in angled polished cast aluminum housings, and the grille lights which will be in polished cast aluminum housings.

We comply completely as specified_____ we Do Not comply as specified_____

ADDITIONAL FRONT WHELEN 900 SMART LINEAR LED LIGHTS:

Four additional red Whelen 900 series "Smart Linear" LED lights mounted inboard of the Upper front 900 corner lights in lieu of a front light bar. Upper front will look as follows: RL/RL/RL/CL/RL/RL/RL.

We comply completely as specified_____ we Do Not comply as specified_____

TRAFFIC CONTROLLER:

A Whelen PT 215 traffic controller shall be provided. The emitter shall be centered on the front of the module body. The traffic controller shall operate only with the emergency lights on, and the transmission in a drive gear. An on/off switch shall be provided in the cab console.

We comply completely as specified_____ we Do Not comply as specified_____

SCENE LIGHTS:

There shall be four (4) Whelen, 90 COENZR, 24 Diode or equal LED scene lights with 13-

degree tilt built into the lenses mounted two (2) lights on the street side of the module body and two (2) lights on the curbside of the module body. Two (2) separate switches on the drivers switch panel shall control the street side and curbside scene lights. In addition, the curbside scene lights shall activate with the opening of the curbside door. All 4 scene lights shall have chrome flanges. Also the rear side scene lights shall operate with shifting the transmission into reverse gear.

We comply completely as specified_____ we Do Not comply as specified_____

LOADING LIGHTS:

There shall be two (2) Whelen, 90COENZR 24 diode LED or equal loading lights with 13-degree tilt built into the lenses mounted on the rear. A separate switch on the driver's switch panel shall control the rear loading lights. In addition, the rear loading lights shall activate when the rear doors are opened. Also the rear loading lights shall serve as additional back up lights when shifting the transmission into reverse gear. Both of the rear loading lights shall have chrome flanges.

We comply completely as specified_____ we Do Not comply as specified_____

SIREN:

Siren shall be a Carson Mfg SA 441Magnum with dual tone feature or equal with Wail, Yelp, Hi/Lo and Phaser sounds mounted in the cab console in convenient reach of the driver.

We comply completely as specified_____ we Do Not comply as specified_____

SIREN SPEAKERS:

Aluminum Cast Products highly polished, siren speakers shall be recessed into the front bumper. The Siren speakers must be mounted in accordance with chassis manufacturer requirements and therefore may not be mounted below the center of the bumper, which could result in an airflow restriction.

We comply completely as specified_____ we Do Not comply as specified_____

SPOTLIGHT:

There shall be a "300,000 candle power" spotlight, with eight foot coiled cord and momentary switch, permanently wired into front console. The momentary switch shall be positioned on the light in a way that power can not be inadvertently left on while unattended. A "Mic" style storage clip shall be provided.

We comply completely as specified_____ we Do Not comply as specified_____

PATIENT COMPARTMENT LIGHTS:

The ceiling headliner shall contain eight (8) Whelen Round High - Low intensity LED dome lights. The left and right banks of lights shall be switched separately. In addition, the left bank high mode can be switched from the drivers switch panel and will be activated by opening of the side or rear entry doors.

We comply completely as specified_____ we Do Not comply as specified_____

TIMER FOR LED CEILING LIGHTS:

A check out timer on the four (4) street side LED ceiling lights in the patient compartment shall be installed on the curbside wall next to the curbside door.

We comply completely as specified_____ we Do Not comply as specified_____

ACTION AREA LIGHT:

A 8 inch LED light shall be installed in the action area with an on/off switch in the action area switch panel.

We comply completely as specified_____ we Do Not comply as specified_____

EXTERIOR COMPARTMENT LED STRIP LIGHTS:

All exterior compartments shall have a minimum of two (2) LED strip lights installed on the back side of the exterior compartment door frame extrusion. The lights will activate with the opening of the compartment door. Only the lights in the compartment opened will activate. Vehicles with combined lighting circuits, where one door will turn on several or all the compartment lights are unacceptable due to the excessive amperage draw and unneeded bulb usage.

We comply completely as specified_____ we Do Not comply as specified_____

ALS INSIDE/OUTSIDE COMPARTMENT LIGHTS:

There shall be three (3) Innovative Lighting model 03450001 LED light or equal installed in the front bulkhead inside/outside compartment.

We comply completely as specified_____ we Do Not comply as specified_____

CLOCK IN THE PATIENT COMPARTMENT:

A battery-powered clock with a sweep second hand, backlit, shall be located above the rear patient entry doors and shall be visible from all seat locations.

We comply completely as specified_____ we Do Not comply as specified_____

SUCTION - ON BOARD:

An S-Scor self-contained suction system shall be provided and mounted on the back wall above the action area counter top just forward of the CPR Seat, with an on/off switch in the action area.

We comply completely as specified_____ we Do Not comply as specified_____

VENTILATION:

A 138-CFM exhaust fan shall be mounted near the ceiling to the rear of the street side cabinetry and shall be activated by a switch on the action wall.

We comply completely as specified_____ we Do Not comply as specified_____

STEPWELL LIGHT:

An Innovative Lighting model 03450001 LED light or equal shall be installed in the curbside step well and shall operate with the opening of the curbside patient entry door.

We comply completely as specified_____ we Do Not comply as specified_____

DRIVERS SWITCH CONSOLE:

There shall be a one-piece molded console mounted on the OEM engine cover. The console shall be easily removable from the engine cover to allow access for servicing the engine. There shall be space provided for the installation of dual cup holders or radios below the siren, switches and gauges. The switch panel shall be molded, aesthetically appealing, and incorporate modern switches and gauges as follows:

Master Switch
Load Manager/Sequencer
Primary/Secondary
Siren/Horn
Left Scene

Rear Scene
Right Scene
Rear Dome Lights
Back up Alarm Disable
Silent Intercom Lights
1 Digital Voltmeter
Information screen readout to indicate patient compartment door open, exterior compartment door open and low voltage with audible alarm.

We comply completely as specified_____ we Do Not comply as specified_____

PATIENT COMPARTMENT SWITCH CONSOLE:

The following switches shall be in the rear control panel that shall be hinged for easy access to components. They shall be mounted in a single row at an angle facing the center of the cot and the squad bench.

Left Dome High/Low
Right Dome High/Low
Action area light
Power vent
Check out lights
Silent Intercom
Silent intercom
Silent intercom
Driver Buzzer
Oxygen compartment light
Thermostat Control for Heat/AC
Heat/AC Fan Control, 3 speed
Electric suction
Electric oxygen with manual bypass

We comply completely as specified_____ we Do Not comply as specified_____

SECOND SWITCH PANEL:

A second switch panel shall be installed on the curbside wall at the head end of the squad bench. The switch panel shall be angled and padded for the attendant's convenience and safety.

We comply completely as specified_____ we Do Not comply as specified_____

LOW VOLTAGE ALARM:

A low voltage alarm shall sound when the voltage drops below 11.8 volts for more than 120 seconds.

We comply completely as specified_____ we Do Not comply as specified_____

MAGNETIC DOOR SWITCHES:

Magnetic door switches shall be installed in each patient compartment door and exterior compartment door to activate the door open warning system, the curbside and rear scene lights via a printed circuit board. Plunger type door switches are unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

SWITCHES:

All switches in front and rear panels shall be positive contact rocker type switches that are permanently marked by function, illuminate when activated and backlit for night visibility. Each switch must be independently replaceable to eliminate the need for replacement of the entire switch panel in the event of a single switch failure.

We comply completely as specified_____ we Do Not comply as specified_____

The rocker switches for the electric oxygen and the electric suction in the action area shall be separated from the rest of the rocker switches for quick identification.

We comply completely as specified_____ we Do Not comply as specified_____

DOOR OPEN WARNING LIGHT:

A red flashing Whelen Par 16, 2 inch LED light with chrome bezel or equal, shall be installed in the cab ceiling to indicate that a patient compartment door or an exterior compartment door is open.

We comply completely as specified_____ we Do Not comply as specified_____

BRAKE APPLIED WARNING LIGHT:

An amber flashing Whelen Par 16, 2 inch LED light with chrome bezel or equal, shall be installed in the cab ceiling to indicate that the emergency brake is applied and the transmission is in gear..

We comply completely as specified_____ we Do Not comply as specified_____

BATTERY SWITCH TIMER:

A 5 minute timer shall be installed on the battery switch. This will allow the lights to operate while unloading the patient with the ignition and battery switch shut off.

We comply completely as specified_____ we Do Not comply as specified_____

12 VOLT HANDLIGHTS:

Provide and install four (4) LED Streamlite Survivor hand lights model # LED 90502. Mount two in the cab and two in the street side rear exterior compartment. Exact location of lights to be mounted will be determined by the Maynard Fire Department.

We comply completely as specified_____ we Do Not comply as specified_____

4.0 PATIENT COMPARTMENT

PATIENT COMPARTMENT FLOOR:

The sub floor shall consist of .090" thick 3003 H14 corrosion resistant aluminum sealed watertight. Over the aluminum sub-floor there shall be single sheet of COMPOSITE FLOORING that is caulked and sealed. No exception to the composite flooring.

We comply completely as specified_____ we Do Not comply as specified_____

The floor is then to be covered with a single piece of commercial-grade, Lonplate flooring or equal, which shall roll up the left wall and the squad bench approximately 3". Behind the linoleum at the base of the left wall and the squad bench, coving shall be installed providing a solid backing at the point of the bend in the floor. This coving shall run the full length of the left wall and the squad bench. Flooring shall be sealed at all edges to prevent water from seeping between the floor and cabinets.

We comply completely as specified_____ we Do Not comply as specified_____

A formed 6 inch, full width stainless steel floor protection strip shall be installed forward of the rear patient compartment door seal. Additionally yellow and black antiskid tape, 2 inch wide, is to be laid the full width just inside the curbside and rear entry doors over the floor protection strip.

We comply completely as specified_____ we Do Not comply as specified_____

The width of the patient compartment between the lower street side cabinets and the aisle side of the squad bench, from the front of the squad bench to the rear doors shall be an unrestricted 49" in width. This will provide a greatly desired work space in the patient compartment. No Exception.

We comply completely as specified_____ we Do Not comply as specified_____

INTERIOR CABINETS:

All interior cabinets shall be built using $\frac{3}{4}$ " cabinet grade, solid core birch plywood. The use of plywood of any lesser quality or thickness is strictly prohibited.

We comply completely as specified_____ we Do Not comply as specified_____

All interior cabinets shall be constructed using wood screws. The use of staples or nails in the fastening of cabinet components is strictly prohibited.

We comply completely as specified_____ we Do Not comply as specified_____

Exposed cabinet surfaces, interior and exterior, are to be covered with "Wilsonart .048 Horizontal Grade laminate or equal. All cabinets and counter tops shall be caulked and sealed. Cabinets shall incorporate 1-inch aluminum radius corners throughout and have generous padding to lessen the chance of injuries in the event of an accident. Sliding Plexiglas windows shall be $\frac{1}{4}$ " thick with full height extruded aluminum handles mounted in full perimeter slide track. Plexiglas of a lesser thickness of $\frac{1}{4}$ " is not acceptable. No Exceptions. Door catches shall be flush-mount Stainless Steel Southco or equal Pull Ring slam-type positive latching. Plastic pull ring latches are unacceptable due to their tendency to break.

We comply completely as specified_____ we Do Not comply as specified_____

STREETSIDE CABINET WALL:

Cabinets shall be designed as per drawings with a one-piece Silkstone or equal solid surface non porous molded countertop with a $\frac{3}{4}$ " lip on all four sides for the attendant in the action area and in the telemetry area. Countertops constructed of aluminum, stainless steel or fiberglass are unacceptable. Storage cabinets shall be located in the left rear, above the CPR seat, and above the action area.

We comply completely as specified_____ we Do Not comply as specified_____

The action wall shall house the technician's console, two oxygen outlets, vacuum outlet, aspirator collection bottle, climate control thermostat and fan control, one 12-volt connection and one lighted 11OV duplex outlet. The upper action wall area, which holds the switch panel, shall be hinged for ease of access.

The cabinet directly above the action area shall be 45" wide x 16" high x 19" deep. This cabinet shall have 1 adjustable shelf and sliding Plexiglas doors with full height handles and a flip up restocking style cabinet frame.

The cabinet above the CPR seat shall be 5.25" high x 29" wide x 6" deep. This cabinet shall have flip up Plexiglas doors with stainless steel Southco pull ring latches. A 43" minimum clearance must be maintained between the top of the CPR seat cushion and the padding under this cabinet as per KKK-A-1822-F revised requirements. No Exceptions.

The padding around the head area of the CPR seat both sides and above shall be a minimum of one (1) inch in thickness for attendant safety. No Exceptions.

The cabinet to the rear of the CPR seat at the ceiling shall be 14" high x 43" wide x 18" deep. This cabinet shall have 1 adjustable shelf and sliding Plexiglas doors with full height handles and a flip up restocking style cabinet frame.

The cabinet below the cabinet to the rear of the CPR seat at ceiling level shall be 14" high, 39" wide and 18" deep with 1 adjustable shelf. This cabinet shall have sliding Plexiglas doors and full height handles.

A cabinet with a single Plexiglas door, stainless steel Southco pull ring latch, hinged on the bottom shall be installed under the telemetry area. This cabinet shall be 9.5" high x 16" wide x 15" deep.

We comply completely as specified_____ we Do Not comply as specified_____

DRAWER:

A drawer with a Southco Stainless steel pull latch shall be installed directly under the telemetry area. This drawer shall be approximately 14.5" wide x 15.5" x 4" deep. A black rubber mat shall be provided in this drawer.

We comply completely as specified_____ we Do Not comply as specified_____

PLEXIGLAS DOORS:

All Plexiglas doors in the patient compartment shall be light tint in color.

We comply completely as specified_____ we Do Not comply as specified_____

ACTION AREA COUNTER TOPS:

The action area, telemetry area, and front wall counter tops shall be constructed of one piece solid surface Silkstone material or equal with a $\frac{3}{4}$ " lip on all four sides. It shall be available in several colors.

All countertops shall be caulked and sealed.

We comply completely as specified_____ we Do Not comply as specified_____

INTERIOR CABINET UNISTRUT SHELF TRACK:

All interior cabinet shelf track shall run from the ceiling to the floor of the cabinet. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

FRONT BULKHEAD CABINETS:

Cabinets shall be designed per drawings. The driver side cabinet shall incorporate a floor mounted climate control unit. Unit shall drain directly through the floor. Air in-take shall be at floor level, while output shall be ducted overhead, across the bulkhead cabinets. The return air shall be filtered. Directly above the climate control unit shall be a storage area.

We comply completely as specified_____ we Do Not comply as specified_____

A horizontal cabinet shall be located above the walk-thru at ceiling level. This cabinet shall be 11.5" high x 48" wide x 23" deep with sliding Plexiglas doors, full height handles, and a flip up restocking style frame. The right side shall have a locking drug locker at ceiling level. This cabinet shall be 15" high x 17" wide x 23" deep, and shall have a Simplex combination lock with a key back up. An inside/outside access cabinets below all the way to floor level with two (2) adjustable shelves. The inside/outside cabinet shall have two (2) equal size doors with Plexiglas inserts and two (2) Stainless Steel Southco Pull Ring Latches. This cabinet shall be 52" high x 27" wide x 23" deep. The inside/outside cabinet shall be lighted at each shelf level with LED lighting.

We comply completely as specified_____ we Do Not comply as specified_____

The bulkhead shall incorporate a Silkstone counter top with a cabinet beneath with three pull out drawers with Southco stainless steel pull ring latches. A sliding Plexiglas pass through window to the cab shall be provided above the counter top.

A Plexiglas access door shall be installed behind the attendant seat for access into the upper cabinet, street side, in the pass-through area. There shall also be 1 adjustable shelf in this cabinet.

We comply completely as specified_____ we Do Not comply as specified_____

SQUAD BENCH CABINETS:

Two cabinets shall be mounted at the ceiling level directly over the entire length of the squad bench. Each cabinet shall be 5.25" high x 35" wide x 7" deep. These cabinets shall have flip up Plexiglas doors with Southco stainless steel pull ring latches. Generous padding shall be installed beneath the cabinets for attendant safety. 43" minimum clearance must be maintained between the top of the squad bench cushion and the padding underneath the ceiling squad bench cabinets, per KKK-A-1822-F revised requirements. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

SQUAD BENCH:

The squad bench base shall be constructed of .075" gauge stainless steel for strength and ruggedness. The lid shall be split into two sections. Each lid will have a gas strut hold open device and stainless steel paddle style latches to hold the squad bench lids in the closed position. The Paddle style latches shall be protected from being damaged by equipment within the squad bench. The interior shall be lined with white Wilsonart laminate or equal. Cushions shall be vacuum-formed seamless. Ratchet type squad bench hold open devices are unacceptable. There shall be three (3) seat belts for three (3) persons seated or a patient in the prone position.

The curbside wall above the squad bench shall be well padded for attendant safety.

We comply completely as specified_____ we Do Not comply as specified_____

HIGH BACK ATTENDANT SEAT:

- An EVS attendant seat with a built in child seat shall be located at the head of the primary cot.

It shall be a high back deluxe vinyl captain's chair mounted on an EVS swivel pedestal. Seat belt shall be included for attendant safety.

We comply completely as specified_____ we Do Not comply as specified_____

CPR SEAT:

A sidewall seat will be mounted in the center of the left wall with a backrest and head pad. A seat belt shall be provided for attendant safety. Cushions shall be vacuum-formed seamless. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

SEAT BELTS:

The female end of the seat belts on the attendant seat, the CPR seat, and the squad bench shall be rigid and mounted so they will stand up straight and be orientated to allow for easy one handed buckling of the seat belt.

We comply completely as specified_____ we Do Not comply as specified_____

UPHOLSTERY:

All door panels, seat cushions, and protective pads shall be constructed of fire-retardant foam, covered with a minimum of 40-ounce marine-grade vinyl. Upholstery of a lesser quality and grade is unacceptable. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

All seat and back cushions in the patient compartment shall be vacuum-formed seamless. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

HEADLINER:

The headliner shall be constructed of padded white vinyl in three sections, with the center section being removable to gain access to wiring.

We comply completely as specified_____ we Do Not comply as specified_____

INTERIOR PANELING:

Exposed surfaces shall be mar, dent and scratch resistant. Walls shall be covered with high pressure, Wilsonart .048 horizontal grade laminate material or equal.

We comply completely as specified_____ we Do Not comply as specified_____

OVERHEAD GRAB RAIL:

Two (2) full-length stainless steel handicap style 1 1/2" diameter grab rails shall be installed on patient compartment ceiling above the primary cot. These rails shall be capable of supporting a minimum of 300 pounds each.

We comply completely as specified_____ we Do Not comply as specified_____

These grab rails shall be treated with Agion Anti-Bacterial Coating. No Exceptions

We comply completely as specified_____ we Do Not comply as specified_____

ENTRY DOOR GRAB HANDLES:

All entry doors will have a matching heavy duty stainless steel handicap style 1 1/2" "V" bar grab handle that will be securely mounted slightly below the window in the curbside Door and the two (2) rear patient compartment entry doors.

Also (3), 12" grab handles shall be provided as follows: 1 on the front bulkhead wall by the curbside door and 2 at the rear patient entry doors, 1 on each side.

We comply completely as specified_____ we Do Not comply as specified_____

All of these grab handles shall be treated with Agion Anti-Bacterial Coating.
No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

STAINLESS STEEL STREET SIDE WALL AND SQUAD BENCH:

The lower left aisle wall shall have a .060 stainless steel riser above the rolled flooring approximately 13 inches high. The complete face of the squad bench shall be finished in stainless steel from the rolled flooring up to the squad bench lids.

The stainless steel shall be installed after the coven floor is in place. The stainless steel will be installed over the edge of the rolled floor. This will eliminate the seam and possibility of fluid retention.

We comply completely as specified_____ we Do Not comply as specified_____

STAINLESS STEEL KICK PLATES:

Stainless steel kick plates shall be installed on the lower third of the 3 patient compartment entry door interiors.

We comply completely as specified_____ we Do Not comply as specified_____

COT MOUNT:

A Stryker cot mount or equal with side and center positions shall be supplied and installed.

We comply completely as specified_____ we Do Not comply as specified_____

A-BAR WITH SHARPES/WASTE:

A removable stainless steel A-Bar with sharps and waste containers attached shall be installed on the head end of the squad bench.

We comply completely as specified_____ we Do Not comply as specified_____

MEDICAL GLOVE STORAGE:

There shall be storage for 4 boxes of medical exam gloves installed above the curbside door. There shall be a flip down Plexiglas door with slots for dispensing of gloves.

We comply completely as specified_____ we Do Not comply as specified_____

INTERIOR ACCESS:

A hinged Plexiglas interior access door with a Stainless Steel Southco Pull Ring Latch shall be installed on the curbside wall to the rear of the squad bench for access into the shelved area of the curbside rear exterior compartment.

We comply completely as specified_____ we Do Not comply as specified_____

INSULATION:

The entire patient compartment, walls and ceiling, shall be blanketed with three layers of reflectics insulation. Each layer is to be R-14.5 for a combined total of R-43.5 to provide exceptional insulation and sound deadening qualities. To make certain the insulation stays in place, all insulation in the vertical walls is to be glued in place.

We comply completely as specified_____ we Do Not comply as specified_____

The floor of the modular body and side step well shall be completely insulated and sound deadened for an extremely quiet patient compartment. In addition the curbside door step well Shall have hush mat applied for additional sound deadening.

We comply completely as specified_____ we Do Not comply as specified_____

All exterior compartment and patient compartment entry doors shall be insulated with a single layer of R-14.5 reflectics insulation. Additionally there shall be a single layer of 2" polystyrene insulation installed in each door.

We comply completely as specified_____ we Do Not comply as specified_____

CLIMATE CONTROL:

Rear climate control shall be floor mounted in driver side bulkhead cabinet to shorten refrigerant and anti-freeze hoses and eliminate vertical circulation. Condensation from high humid conditions shall drain directly through a drain tube through the floor. Air intake shall be at floor level; output shall be at ceiling level with return air at floor level for increased airflow. Return air shall be filtered. The climate control unit shall be mounted for easy access for servicing.

We comply completely as specified_____ we Do Not comply as specified_____

Additional benefit of the floor mounted rear climate control system is that condensation from the unit exits the vehicle through a drain hose in the floor. This eliminates the chance of condensation running through the cabinets and equipment that can happen in vehicles that have the heat/ac units mounted near the ceiling of the patient compartment. And since there are no vents located directly in front of the blower fans on a floor mounted unit, this prevents the intermittent spraying of water into the patient compartment as with A/C units mounted at ceiling level.

We comply completely as specified_____ we Do Not comply as specified_____

The unit shall be a Pro-Air or equal with 32,000 BTU cooling capacity and a 36,000 BTU heating capacity. The blower motor shall have permanent magnets and be capable of delivering 650 CFM of airflow.

An additional external air conditioning condenser shall be provided and mounted on brackets

on the front of the module body.

We comply completely as specified_____ we Do Not comply as specified_____

A thermostat shall control both heating and cooling with 3-speed manual fan control. The thermostat and fan control shall be located on the action wall.

We comply completely as specified_____ we Do Not comply as specified_____

OXYGEN OUTLETS:

Oxygen system shall be plumbed with conductive hose from the oxygen compartment to two Allied or equal oxygen outlets in the action area, one over the cot mounted in the ceiling and one on the curbside wall by the curbside door. These oxygen outlets shall be capable of receiving Ohio style adapters without making any changes.

We comply completely as specified_____ we Do Not comply as specified_____

The system shall include an electric solenoid with an on/off switch in the action area and a manual bypass mounted in the action area, an oxygen regulator for the main oxygen cylinder, and an oxygen contents gauge mounted in the action area.

We comply completely as specified_____ we Do Not comply as specified_____

5.0 EXTERIOR BODY

REAR WHEEL WELL TRIM:

The rear wheel wells shall be trimmed with Stainless Steel Fender Flairs that shall be attached to the body with stainless steel fasteners. There shall be a rubber gasket placed between the aluminum body and the stainless steel fender flairs for isolation of the dissimilar metals.

We comply completely as specified_____ we Do Not comply as specified_____

RUB RAILS:

There shall be bolt on clear anodized extrusion rub rails with a wall thickness of (.187). They shall run the full length of the body and be mounted at the base of each side of each side of the body. The rub rails shall be spaced ¼ inch from the body with Delrin spacers.

There shall be white reflective inserts 2.5" wide installed in all of the four (4) lower body rub rails.

We comply completely as specified_____ we Do Not comply as specified_____

REAR STEP BUMPER:

The rear step assembly shall be constructed of 1 3/4" X 1 3/4" tubular steel frame bolted to the chassis frame. The center section shall be non-skid grip strut that will allow mud and snow to fall through the step. The center section shall be hinged and flip up for easy loading and unloading of the cot. The end caps shall be constructed of polished aluminum diamond tread plate. A buffer material shall be installed between the rear step steel framing and the aluminum end caps to prevent corrosion due to dissimilar metals. The end caps shall be installed in such a manner that they can easily be replaced if damaged. The rear step bumper shall be trimmed in polished aluminum diamond plate.

We comply completely as specified_____ we Do Not comply as specified_____

REAR DOCK BUMPERS:

Heavy Duty black rubber dock bumpers shall be installed on the rear step end caps. The dock bumpers shall be 18" wide x 4" high x 4" deep. Dock bumpers that are smaller in size are unacceptable.

We comply completely as specified_____ we Do Not comply as specified_____

CURBSIDE DOOR STEP:

The side doorstep shall be formed of polished aluminum diamond tread plate and shall be flush sweep out style. Yellow and black Antiskid tape, 2 inch wide, is to be laid the full width of the step just inside the entry door. Additionally there shall be a formed 3-inch, full width stainless steel floor protection strip with yellow and black Antiskid tape installed over the flooring at the top of the step. A step well light is to be installed on the forward vertical wall of the step well with the wiring to be pulled through the backside of the step well.

We comply completely as specified_____ we Do Not comply as specified_____

EXTENDED STONE SHIELDS:

Polished aluminum diamond tread plate stone shields shall be installed on the front edge of the module body directly behind the cab at skirt level. These shields shall extend up the front of the module body to the bottom of the beltline stripe.

We comply completely as specified_____ we Do Not comply as specified_____

#1 OXYGEN / BACKBOARD COMPARTMENT:

The left front (street side) exterior compartment shall contain a “Zico” Electric/Hydraulic oxygen bracket to house one “H” size oxygen cylinder. The control switch shall be located in exterior compartment # 2. There shall be an interior access door to allow the attendant to turn the oxygen tank valve on/off from the patient compartment. A separate O2 compartment light shall be provided for the purpose of viewing the tank O2 gauge and be switched on/off from the action panel. A wrench is to be provided for changing the tank regulator. This wrench is to be secured in the compartment with a cable and mounted to the compartment wall when not being used. This compartment is to be a minimum of 65” high x 18” wide x 19” deep. The bottom of this compartment shall be sweep out style for easy cleaning.

On the forward wall of the compartment there shall be a removable panel approximately 8” square in size located opposite of the shoreline plug. This panel, when removed, provides access to the shoreline plug when service or replacement is required.

LED strip lighting shall be provided on each side of the compartment door frame.

We comply completely as specified_____ we Do Not comply as specified_____

1A ELECTRICAL COMPARTMENT:

A small electrical compartment 18” wide 14” high shall be provided on the street side front of the module body above the # 1 oxygen compartment.

We comply completely as specified_____ we Do Not comply as specified_____

#2 GENERAL STORAGE INTERMEDIATE COMPARTMENT:

This compartment shall be located street side between the #1 compartment and the left side drive wheels and is to be used for general storage. There is to be double doors of equal size on this compartment with the secondary door latch being located on the inside of the door. For ease of opening, the secondary door latch shall be equipped with a stainless steel handle extension that is visible and readily accessible from the outside of the compartment. This compartment is to be a minimum of 40” high x 46” wide x 19” deep. The bottom of this compartment shall be sweep out style for easy cleaning.

There shall be two (2) full width, full depth, and aluminum pan style storage shelves installed in the compartment. The shelves are to be mounted on two (2) sets of infinitely adjustable shelf

tracks at each end of the shelves with rubber matting covering the topside of the shelves.

LED strip lighting shall be provided on each side of the compartment door frame.

We comply completely as specified_____ we Do Not comply as specified_____

#3 STREETSIDE WHEELWELL COMPARTMENT:

There shall be a street side wheel well compartment approximately 32" wide x 8" high x 19" deep with a slide out drawer installed above the street side rear wheels. The door of this compartment shall be attached to the front face of the slide out tray for ease of operation.

We comply completely as specified_____ we Do Not comply as specified_____

#4 STREETSIDE REAR COMPARTMENT:

The left rear street side exterior compartment shall be for the storage of equipment. There is to be double doors of equal size on this compartment with the secondary door latch being located on the inside of the door. For ease of opening, the secondary door latch shall be equipped with a stainless steel handle extension that is visible and readily accessible from the outside of the compartment. This compartment is to be a minimum of 50" high x 35" wide x 19" deep. The bottom of this compartment is to be sweep out style for easy cleaning.

Mount two (2) SCBA on the side walls of this compartment, one on each side. Mount two (2) hooks on the back wall of this compartment for hanging of two turnout coats and two helmets.

LED strip lighting shall be provided on each side of the compartment door frame.

We comply completely as specified_____ we Do Not comply as specified_____

#5 CURBSIDE BACKBOARD COMPARTMENT:

The right rear curb side exterior compartment shall have a single exterior door. This full height vertical compartment is for the purpose of storing backboards, a stair chair, and miscellaneous other related equipment. The compartment is to be divided with a stationary aluminum divider. There shall be three (3) adjustable shelves located on the right hand side of the stationary divider starting approximately 5' above the floor. Below the shelves there shall be an aluminum pocket for the storage of a Stryker stair chair with tracks, and a bracket to hold the stair chair in place. In addition, there shall be two (2) polished aluminum trays attached to the right hand wall in the stair chair pocket for the storage of additional back board straps and other small equipment. The exterior door shall have a recessed pocket the entire size of the door. There shall be interior access into the shelved area of this compartment through a hinged Plexiglas door with a stainless steel Southco Pull Ring Latch. This compartment shall be a minimum size of 84" high, 27.5" wide and 19" deep. The bottom of this compartment is to be sweep out style for easy cleaning.

LED strip lighting shall be provided on each side of the compartment door frame.

We comply completely as specified_____ we Do Not comply as specified_____

#6 ALS IN/OUT ACCESS:

There shall be a single door located at the right front curbside allowing for Inside/outside access to the ALS interior cabinet, this compartment shall be 50" high, 23" wide and 30" deep. The exterior access door opening shall be a minimum of 23" wide and 48" high.

LED strip lighting shall be provided on each side of the compartment door frame.

We comply completely as specified_____ we Do Not comply as specified_____

#7 BATTERY COMPARTMENT:

There shall be a battery compartment with a slide out tray for 2 batteries located directly under the ALS inside/outside compartment. This compartment shall be 12" high x 23" wide x 19" deep.

We comply completely as specified_____ we Do Not comply as specified_____

EXTERIOR COMPARTMENT SHELF TRACK:

All exterior compartment unistrut shelf track must run from the ceiling to the floor of the compartments. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

TRIM-LOCK

Trim-lock is to be installed on the edge of all aluminum dividers and the front lip of all exterior compartment shelves.

We comply completely as specified_____ we Do Not comply as specified_____

DOT LIGHTING:

The vehicle shall be equipped with halogen daytime running headlights and two amber park/turn lights on the front. The Module Body shall have at least 14 LED clearance lights with each light having four (4) LED's and grounded via a ground wire". Each top front corner shall have amber lights mounted on the front and side of each corner. There shall be three red lights at the top rear center of the module. Each top rear corner shall have red lights mounted on the rear and side of each corner. There shall be three amber lights mounted on the top front center of the module. No incandescent or halogen clearance lights will be acceptable.

We comply completely as specified_____ we Do Not comply as specified_____

The LED clearance lights shall be plastic with no metal housing to contact the aluminum skin of the module body that could cause corrosion and paint blistering as well as oxidation that could cause electrical shorts or poor connections. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

In addition to the 14 required ICC lights around the top of the module body, there will be four (4) additional LED lights which shall match exactly the design and type indicated above for the roofline ICC lights that shall be installed near the beltline on the sides at the rear. Two, one on each side shall act as marker side lights. The other two will act as secondary directional signals and will flash with the left and right turn signals, respectively.

We comply completely as specified_____ we Do Not comply as specified_____

The rear of the module body shall have two Whelen 600 series or equal LED amber arrow directionals, two Whelen 600 series or equal LED red tail/brake lights, two Whelen 600 series or equal LED reverse lights. They will be mounted in chrome flanges on the modular body above the diamond plate in the above listed order top to bottom. Mounting of these lights shall be as far outboard on the rear of the module body as possible for maximum protection.

The 2 Whelen 900 series red LED lights on the rear at window level shall operate as additional brake lights; this is in addition to emergency lights.

2 Whelen 600 series or equal LED amber directionals with chrome flanges shall be installed on the front of the module body below the front Whelen 900 series red LED emergency lights.

All lights shall be installed and located as per I.C.C. requirements.

We comply completely as specified_____ we Do Not comply as specified_____

6.0 BODY FINISH

PAINTING PROCEDURE:

An extensive 12-step painting process is to be followed and strictly adhered to as follows:

Prior to paint all doors, chrome trim, lights, handles, steps, and all other attached equipment shall be removed to assure the paint process covers the entire body. No Weather-stripping will be attached to the body during the paint process.

We comply completely as specified_____ we Do Not comply as specified_____

The entire outside of the body shall be sanded with a minimum of 180 grit sandpaper and cleaned and de-burred of all rough edges. The entire body shall then be wiped clean with PPG DX436 wax and grease remover prior to painting.

We comply completely as specified_____ we Do Not comply as specified_____

The body shall then be coated with (1) coat of PPG Delfleet Evolution F3993 Epoxy primer followed by (2) coats of PPG Delfleet Evolution F3975 Urethane Primer. Once the primer has been applied the entire unit shall be baked at 150 degrees for a minimum of 30 minutes. The primer shall then be sanded prior to the application of the topcoat.

We comply completely as specified_____ we Do Not comply as specified_____

Once the application of the primer has been completed, a topcoat consisting of (2) coats of PPG Delfleet Evolution FBC Color Coat is applied followed by (3) coats of PPG Delfleet Evolution F3921 Clear Coat for a durable long lasting high gloss finish. The entire unit shall then be baked a second time at 160 degrees for a minimum of (45) minutes.

We comply completely as specified_____ we Do Not comply as specified_____

The chassis and the modular body shall be painted red, including the door jambs, and under the hood.

We comply completely as specified_____ we Do Not comply as specified_____

The entire ambulance shall be completely wet sanded and buffed including the module roof to an extremely smooth finish. No Exceptions to the wet sanding and buffing.

We comply completely as specified_____ we Do Not comply as specified_____

An 8" wide white reflective beltline stripe shall be installed on the rear and both sides of the ambulance.

We comply completely as specified_____ we Do Not comply as specified_____

The final step shall then be to apply Rubberized undercoating to the underside of the cab and the body in strict adherence to the chassis guidelines and the KKK-1822- F Specification just prior to delivery.

We comply completely as specified_____ we Do Not comply as specified_____

Warranty shall be a full 5-year / 100,000 miles **NON-PRORATED** Modular Paint Warranty. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

FEDERAL LETTERING PACKAGE:

There shall be DOT approved decals provided as follows:

- 2) 6" Star-Of-Life
- 2) 12" Star-Of-Life
- 2) 16" Star-Of-Life
- 1) 36" Star-Of-Life
- 1) 4" Mirror-Image "AMBULANCE"
- 3) 6" AMBULANCE"

We comply completely as specified_____ we Do Not comply as specified_____

REFLECTIVE STRIPE:

A 2 ½" wide white reflective stripe shall be installed in all of the 4 lower body rub rails.

We comply completely as specified_____ we Do Not comply as specified_____

CHEVRONS:

3-M reflective red and white chevrons shall be installed on the interior lower stainless steel kick plates on the curbside entry door and the rear patient loading doors.

3-M reflective red and white chevron shall be installed on the complete rear of the modular body, including the patient loading doors.

We comply completely as specified_____ we Do Not comply as specified_____

8.0 MISCELLANEOUS EQUIPMENT

NO SMOKING & OXYGEN EQUIPPED DECALS:

There shall be two NO SMOKING and two OXYGEN EQUIPPED signs, one each in the cab and one each in the patient compartment.

We comply completely as specified_____ we Do Not comply as specified_____

REQUIRED DECALS:

Weight/Payload, Electrical Load Test, and Star of Life Certification decals shall be displayed on the inner door panel of the oxygen compartment as required by KKK-A-1822-F.

We comply completely as specified_____ we Do Not comply as specified_____

I.V. HOLDERS:

There shall be four (4) recessed, swing-up dual I.V. bag holders with rubber swing down arms mounted in patient compartment headliner. The holders shall be Cast Products # IV-2008 or equal (KKK-1822-F Approved). The IV holders shall not interfere with the ceiling grab rails or cabinets.

We comply completely as specified_____ we Do Not comply as specified_____

ANTENNA PRE-WIRE:

Four (4) pre-wire antenna coaxial cables shall be evenly spaced on the module roof. Run to locations that will be determined at the pre-construction conference.

We comply completely as specified_____ we Do Not comply as specified_____

12 VOLT PREWIRES:

Four (4) 12 volt power and ground pre-wires shall be provided. Location shall be determined at the pre-constructed conference.

We comply completely as specified_____ we Do Not comply as specified_____

WIRING SCHEMATIC:

There shall be a complete **SPECIFIC** wiring schematic showing all circuits, including optional electrical equipment included in the owner's manual.

We comply completely as specified_____ we Do Not comply as specified_____

RADIO INSTALLATION:

Each bidder shall include \$1,000.00 for the installation of three (3) 2 way radios, and two (2) portable radio chargers. The Maynard Fire Department shall provide the radio equipment.

We comply completely as specified_____ we Do Not comply as specified_____

VITAL SIGNS MONITOR:

A vital signs monitor, CAS740M-3NL with MAXNIBP, SP02 and TEMP Monitor, mounted with 12 volt, DC Power Supply, Product number 01-02-0241 shall be provided.

We comply completely as specified_____ we Do Not comply as specified_____

STAIR CHAIR:

A Stryker model 6252 stair chair with ABS seat, locking rear lift handles, standard restraints, and an oxygen bottle holder shall be provided.

We comply completely as specified_____ we Do Not comply as specified_____

9.0 WARRANTY

WARRANTIES:

Three year / 36,000 mile Product Conversion Warranty
Six-year / 72,000 miles Electrical System Warranty
Five-year / 100,000 miles Modular Paint Warranty
LIFETIME Modular Body Structure Warranty

There shall be no pro-rating allowed for any portion of the above listed warranties. No Exceptions.

We comply completely as specified_____ we Do Not comply as specified_____

10.0 REQUIREMENTS OF THE MANUFACTURER

KKK-A-1822-F CERTIFICATION:

This unit shall meet all KKK-A-1822-F specifications and the manufacturer shall have current documentation of compliance with all KKK-A-1882-F standards. A certificate of compliance must be submitted with the bid.

We comply completely as specified_____ we Do Not comply as specified_____

AMD MEMBERSHIP:

The manufacturer shall be a current member in good standing of the Ambulance Manufacturers Division (AMD) of the National Truck & Equipment Association (NTEA). The unit shall be built in compliance with all AMD "Standards". A certificate must be submitted with the bid.

We comply completely as specified_____ we Do Not comply as specified_____

REMOUNTING AND REFURBISHING:

The manufacturer must be capable of remounting and / or refurbishing used units. The facilities for such purpose shall be located at the manufacturer's primary location. The subcontracting of remounting and refurbishing is strictly prohibited.

We comply completely as specified_____ we Do Not comply as specified_____